



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001**

August 25, 2016

MEMORANDUM TO: John Segala, Chief
Advanced Reactor and Policy Branch
Division of Engineering, Infrastructure, and Advanced Reactors
Office of New Reactors

FROM: William D. Reckley, Special Advisor–Policy */RA/*
Orders Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JULY 27, 2016, PUBLIC MEETING
TO DISCUSS ADVANCED, NON-LIGHT WATER REACTOR
REGULATORY REVIEWS

On July 27, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16181A321), the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with the Nuclear Energy Institute (NEI) Advanced Reactor Regulatory Task Force (ARRTF) and other stakeholders to discuss the initiatives within the industry and NRC related to the development and licensing of non-light water reactors. This was the first public meeting with NRC staff and representatives from NEI's ARRTF. A list of individuals attending or participating in the meeting by webinar can be found as an enclosure to this summary. The slides and meeting handouts used by the staff and industry are available in ADAMS under Accession No. ML16222A395.

The staff provided some background information on the development of regulatory review and licensing strategies and activities associated with the draft "NRC Vision and Strategy for Non-Light Water Reactor Mission Readiness," issued for public comment (81 FR 47443; July 21, 2016). The focus of the staff's presentation was to elicit stakeholder feedback on establishing more flexible, risk-informed, performance-based, regulatory review options for advanced reactors, including the use of conceptual design reviews, staged-review processes, and standard design approvals (SDAs). The flexible approaches discussed are intended to accommodate potential applicants having a range of financial, technical, and regulatory maturity, and a range of application readiness.

The NEI presentation provided background information on the focus areas of the ARRTF, with particular attention to the activities of the working group formed to address staged application reviews and approvals. Much of the discussion centered on preliminary results from an NEI survey of advanced reactor developers. NEI plans to refine the survey data to develop industry proposals for a staged process and is considering additional surveys of the developers and related communities such as potential investors.

J. Segala

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The meeting ended with a discussion of future meetings and potential deliverables to help the NRC staff and industry in their activities related to non-LWR regulatory interactions. Possible topics and preliminary documents to prepare to support discussions include a guide on terminology; a guide on processes and procedures (including use of a staged process); a guide on SDAs (including scope in terms of major portions of the design for a nuclear power reactor); and revisions of NRC's vision and strategy document. The next meeting is tentatively planned for late-September 2016.

Please direct any inquiries to me at (301) 415-7490 or william.reckley@nrc.gov.

Enclosure:
List of Attendees

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**ADAMS Accession Nos.: Package ML16222A393
Memo ML16236A110; Meeting Slides ML16222A395**

OFFICE	NRR/JLD/JOMB/SA
NAME	WReckley WdR
DATE	08/25/2016

OFFICIAL RECORD COPY

Public Meeting to Discuss Non-Light Water Reactor Regulatory Reviews

July 27, 2016

Attendance List

Name	Organization	Name	Organization
Michael Mayfield	NRC/NRO/DEIA	Stephen Smith	Transatomic Power
Deborah Jackson	NRC/NRO/DEIA	Wendolyn Holland	Transatomic Power
Anna Bradford	NRC/NRO/DEIA	Dimitri Lutchenkov	X-energy
William Reckley	NRC/NRR/JLD	Adam Reichenbach	Duke Energy
Mark Caruso	NRC/NRO/DSRA	Mark Holbrook	INL
George Tartal	NRC/NRO/DEIA	Ashley Finan	Clean Air Task Force
Mike Jones	NRC/NRO/DEIA	Alexandra Popova*	OKLO
Tara Inverso	NRC/OEDO	Korey Hosack*	Westinghouse
		Everett Redmond*	NEI
Kati Austgen	NEI	Steven Dolley*	Platts
Russ Bell	NEI	Arlon Costa*	NRC/NRO/DEIA
Patricia Campbell	GEH	Steven Downey*	NRC/NRO/DEIA
N. Prasad Kadambi	Self	Nicholas McMurray*	NRC/NRO/DEIA
Robin Rickman	Terrestrial Energy USA	Michael Ford*	Clean Air Task Force
Gary Ruf	PSEG	Jan Mazza*	NRC/NRO/DEIA
Steve Schilthelm	BWXT	Dale Wuokko*	Global Energy Mgt
David Matthews	Elysium Industries	Gordan Cleifton*	Self
Amir Afzali	Southern Co.	George Flanagan*	ORNL
Caroline Cochran	OKLO		
Travis Chapman	OKLO		

* indicates individual registered for webinar

Enclosure